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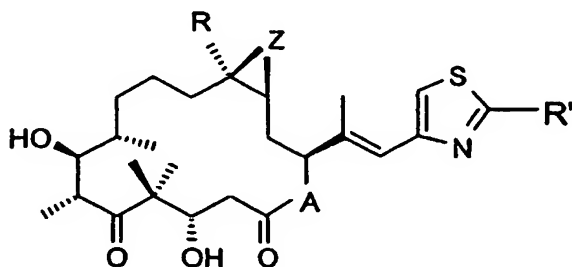
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For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: EPOTHILONE DERIVATIVES FOR THE TREATMENT OF MULTIPLE MYELOMA



(I)

(57) Abstract: The present invention relates to a method of treating a warm-blooded animal, especially a human, having myeloma, especially myeloma which is resistant to conventional cytotoxic chemotherapy, comprising administering to said animal a therapeutically effective amount of an epothilone, especially an epothilone of formula (I), to a combination comprising an epothilone, for simultaneous, separate or sequential use; and to a pharmaceutical composition and a commercial package comprising said combination.

WO 2004/032923 A1

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/15 03/04480

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K31/427 A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EP0-Internal, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,P	WO 03 022844 A (SLOAN KETTERING INST CANCER ;LEE CHULBOM (US); RIVKIN ALEXEY (US);) 20 March 2003 (2003-03-20) claims 1-19 page 79, line 14 -page 80, line 25 page 83, line 27 ---	1,3-7
X	WO 99 02514 A (SQUIBB BRISTOL MYERS CO) 21 January 1999 (1999-01-21) cited in the application claims 1-5 page 8, line 31 - line 32 page 10, line 10 -page 11, line 12 ---	1-16
X	US 2002/058286 A1 (WU ZHICAI ET AL) 16 May 2002 (2002-05-16) claims 1-35 column 32, line 332 -column 33, line 335 --- -/--	1-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*A\* document member of the same patent family

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# INTERNATIONAL SEARCH REPORT

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 399 638 B1 (HOEFLE GERHARD ET AL) 4 June 2002 (2002-06-04) claims 1-7	1,3-7
Y	page 6, line 57, paragraph 332 -page 7, line 18, paragraph 334	2,8,9, 13,14
X	WO 99 43320 A (NOVARTIS ERFIND VERWALT GMBH ;NOVARTIS AG (CH)) 2 September 1999 (1999-09-02)	10-12, 15,16
Y	page 9, last paragraph -page 11, line 7  page 17, line 1 -page 18, line 6 page 23, line 4 - line 11	2,8,9, 13,14
X	WO 01 64650 A (SLOAN KETTERING INST CANCER ;CHAPPELL MARK (US); STACHEL SHAWN (US) 7 September 2001 (2001-09-07) claims 1-63 page 12, line 4 - line 21 page 77, line 29 page 78, line 5 - line 28	1,3-7
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A	ALTMANN K-H ET AL: "Epothilones and related structures - a new class of microtubule inhibitors with potent in vivo antitumor activity" BBA - REVIEWS ON CANCER, ELSEVIER SCIENCE BV, AMSTERDAM, NL, vol. 1470, no. 3, 17 May 2000 (2000-05-17), pages M79-M91, XP004281887 ISSN: 0304-419X the whole document	1-16
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# INTERNATIONAL SEARCH REPORT

Intern al application No.  
PCT/IB 03/04480

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
**Although claims 1-9 and 14 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.**
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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International Application No  
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